

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P459252

Luminaire Tested: **GLAN-SA7B-735-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26514 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

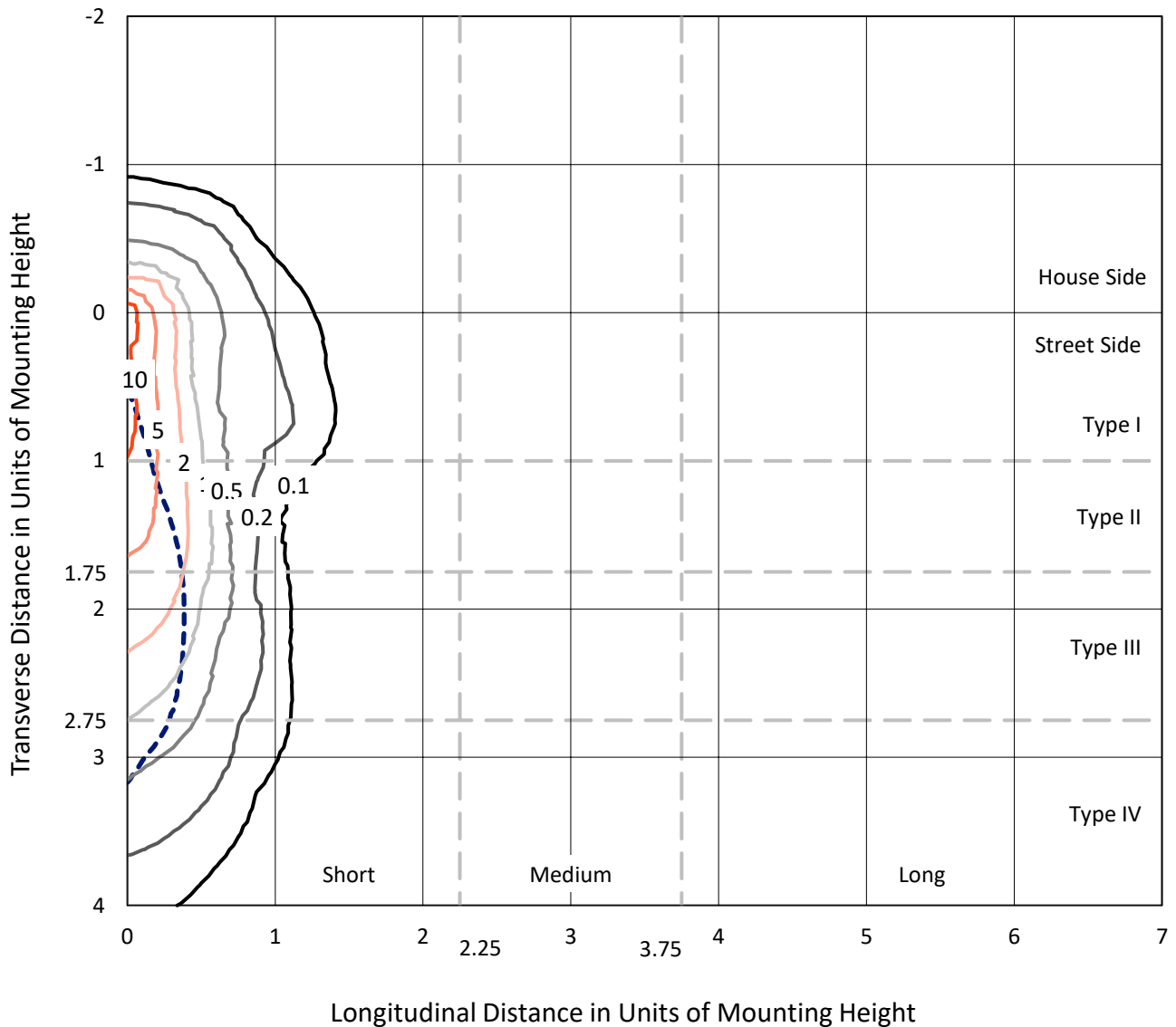
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

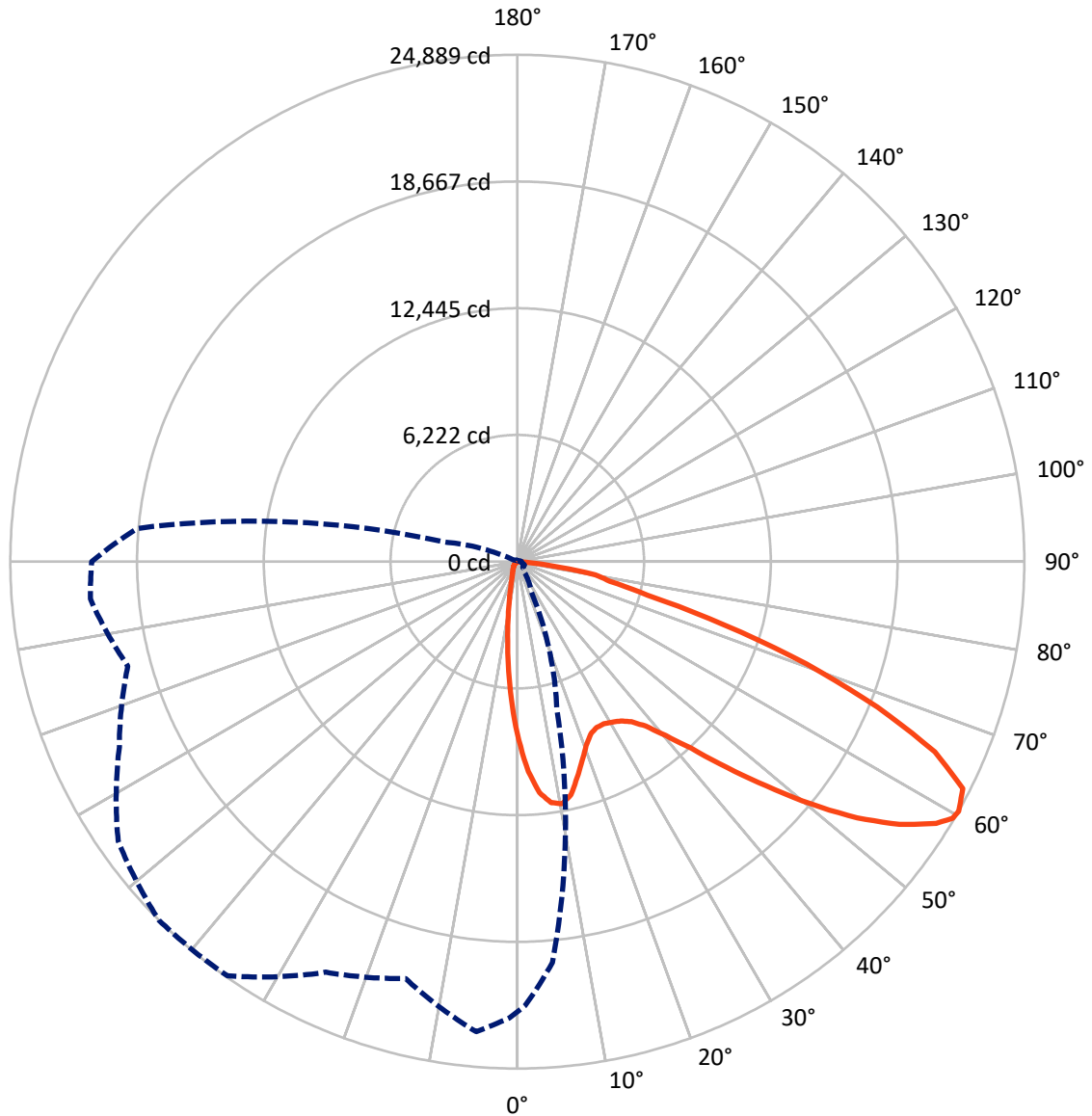
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3270.2 | 0.0 | 3270.2 |
| | % Fixture | 12.3 | 0.0 | 12.3 |
| Street Side | Lumens | 23243.8 | 0.0 | 23243.8 |
| | % Fixture | 87.7 | 0.0 | 87.7 |
| Total | Lumens | 26514.0 | 0.0 | 26514.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 651.8 | 2.5 |
| 10°-20° | 1294.4 | 4.9 |
| 20°-30° | 1898.0 | 7.2 |
| 30°-40° | 2822.7 | 10.6 |
| 40°-50° | 4107.9 | 15.5 |
| 50°-60° | 5923.9 | 22.3 |
| 60°-70° | 6515.6 | 24.6 |
| 70°-80° | 2918.5 | 11.0 |
| 80°-90° | 381.3 | 1.4 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 26514.0 | 100.0 |
| 0°-180° | 26514.0 | 100.0 |

Coefficient of Utilization



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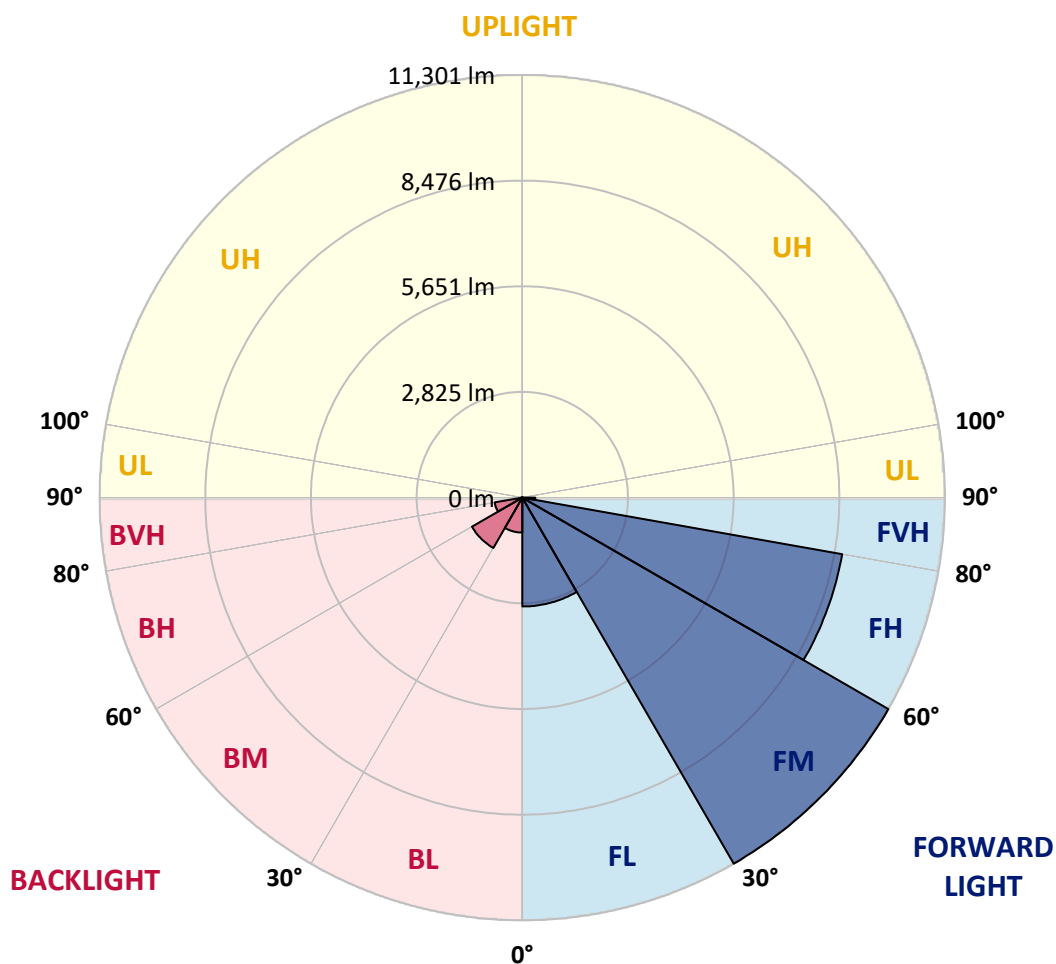
CATALOG NUMBER: GLAN-SA7B-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2909.8 | 11.0 | | | |
| FM (30°-60°) | 11301.1 | 42.6 | | | |
| FH (60°-80°) | 8684.1 | 32.8 | | | G4/12000 |
| FVH (80°-90°) | 348.7 | 1.3 | | | G3/500 |
| BL (0°-30°) | 934.4 | 3.5 | B2/1000 | | |
| BM (30°-60°) | 1553.3 | 5.9 | B2/2500 | | |
| BH (60°-80°) | 749.9 | 2.8 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 32.6 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 |
| 2.5° | 9633.9 | 9591.6 | 9494.9 | 9200.6 | 8944.6 | 8610.1 | 8271.5 | 8005.4 | 7842.2 | 7541.9 | 7404.8 |
| 5° | 9333.6 | 9353.8 | 9073.6 | 8469.0 | 7795.8 | 7336.3 | 6834.5 | 6435.4 | 5996.0 | 5717.9 | 5425.6 |
| 7.5° | 8549.6 | 8509.3 | 8205.0 | 7362.5 | 6544.2 | 5879.1 | 5244.2 | 4728.3 | 4403.8 | 4143.8 | 3926.1 |
| 10° | 7878.5 | 7848.2 | 7459.2 | 6374.9 | 5496.2 | 4998.4 | 4569.1 | 4117.6 | 3768.9 | 3388.0 | 3083.7 |
| 12.5° | 7457.2 | 7388.7 | 6941.3 | 5808.6 | 5093.1 | 4629.5 | 4161.9 | 3692.3 | 3210.6 | 2825.7 | 2456.9 |
| 15° | 7316.1 | 7217.4 | 6719.6 | 5613.1 | 4835.1 | 4246.6 | 3660.1 | 3119.9 | 2565.7 | 2140.4 | 1862.3 |
| 17.5° | 7572.1 | 7408.9 | 6878.8 | 5578.8 | 4526.7 | 3746.8 | 3025.2 | 2321.8 | 1745.4 | 1420.9 | 1249.6 |
| 20° | 8158.6 | 7971.2 | 7281.9 | 5544.6 | 4184.1 | 3186.5 | 2299.6 | 1640.6 | 1207.3 | 1029.9 | 935.2 |
| 22.5° | 9029.3 | 8771.3 | 7878.5 | 5599.0 | 3867.7 | 2640.3 | 1660.7 | 1158.9 | 959.4 | 848.5 | 782.0 |
| 25° | 10075.3 | 9859.7 | 8634.3 | 5792.5 | 3617.8 | 2211.0 | 1283.9 | 947.3 | 808.2 | 739.7 | 689.3 |
| 27.5° | 11222.1 | 10877.5 | 9611.8 | 6024.2 | 3390.0 | 1878.4 | 1126.6 | 846.5 | 719.5 | 657.0 | 630.8 |
| 30° | 12038.4 | 11770.3 | 10430.0 | 6185.5 | 3105.8 | 1628.5 | 1029.9 | 834.4 | 721.5 | 647.0 | 598.6 |
| 32.5° | 12844.6 | 12501.9 | 11115.3 | 6260.0 | 2898.2 | 1455.2 | 890.8 | 727.6 | 632.9 | 594.6 | 546.2 |
| 35° | 13707.2 | 13348.4 | 11798.6 | 6219.7 | 2743.1 | 1340.3 | 808.2 | 649.0 | 542.2 | 477.7 | 429.3 |
| 37.5° | 14579.9 | 14201.0 | 12477.8 | 6074.6 | 2646.3 | 1293.9 | 743.7 | 616.7 | 511.9 | 445.4 | 393.0 |
| 40° | 15615.8 | 15110.0 | 13114.7 | 5955.7 | 2545.5 | 1269.7 | 701.4 | 596.6 | 489.8 | 419.2 | 366.8 |
| 42.5° | 16462.3 | 15980.6 | 13717.3 | 5893.2 | 2477.0 | 1213.3 | 701.4 | 580.5 | 475.7 | 397.0 | 342.6 |
| 45° | 17264.5 | 16764.7 | 14368.3 | 5943.6 | 2448.8 | 1142.8 | 709.4 | 578.4 | 465.6 | 380.9 | 326.5 |
| 47.5° | 17935.7 | 17502.3 | 15037.4 | 6133.1 | 2412.5 | 1066.2 | 667.1 | 606.7 | 459.5 | 366.8 | 310.4 |
| 50° | 18727.7 | 18308.5 | 15922.2 | 6516.0 | 2348.0 | 989.6 | 614.7 | 653.0 | 457.5 | 354.7 | 296.3 |
| 52.5° | 19844.3 | 19390.8 | 17143.6 | 6951.4 | 2245.2 | 872.7 | 566.3 | 647.0 | 449.4 | 334.6 | 282.2 |
| 55° | 21208.8 | 20842.0 | 18558.4 | 7473.4 | 2104.1 | 741.7 | 489.8 | 574.4 | 425.3 | 300.3 | 258.0 |
| 57.5° | 22083.5 | 21771.1 | 19618.6 | 7699.1 | 1888.5 | 606.7 | 431.3 | 481.7 | 389.0 | 268.1 | 229.8 |
| 59° | 22186.3 | 21904.1 | 19840.3 | 7624.5 | 1747.4 | 554.3 | 403.1 | 413.2 | 378.9 | 249.9 | 213.6 |
| 60° | 22099.6 | 21807.4 | 19751.6 | 7479.4 | 1616.4 | 518.0 | 378.9 | 366.8 | 380.9 | 239.8 | 201.5 |
| 62.5° | 21543.3 | 21043.5 | 18891.0 | 6743.8 | 1412.8 | 475.7 | 336.6 | 300.3 | 336.6 | 215.7 | 179.4 |
| 65° | 20469.1 | 19719.3 | 17187.9 | 5707.8 | 1332.2 | 451.5 | 286.2 | 251.9 | 256.0 | 189.5 | 155.2 |
| 67.5° | 18592.7 | 17647.4 | 14920.5 | 4637.6 | 1298.0 | 453.5 | 241.9 | 225.7 | 197.5 | 161.2 | 137.1 |
| 70° | 15625.9 | 14682.7 | 11971.9 | 3815.3 | 1281.8 | 453.5 | 205.6 | 193.5 | 165.3 | 135.0 | 118.9 |
| 72.5° | 11073.0 | 10057.2 | 8076.0 | 2997.0 | 1154.9 | 451.5 | 175.3 | 175.3 | 135.0 | 112.9 | 96.7 |
| 75° | 6256.0 | 6264.1 | 5077.0 | 2120.3 | 959.4 | 372.9 | 141.1 | 139.1 | 98.8 | 86.7 | 72.6 |
| 77.5° | 3646.0 | 3581.5 | 3422.3 | 911.0 | 445.4 | 169.3 | 98.8 | 84.6 | 68.5 | 62.5 | 52.4 |
| 80° | 1874.4 | 1541.8 | 1501.5 | 330.5 | 159.2 | 106.8 | 68.5 | 48.4 | 44.3 | 40.3 | 36.3 |
| 82.5° | 554.3 | 556.3 | 495.8 | 133.0 | 88.7 | 70.5 | 34.3 | 26.2 | 24.2 | 22.2 | 22.2 |
| 85° | 38.3 | 24.2 | 28.2 | 40.3 | 54.4 | 28.2 | 2.0 | 6.0 | 6.0 | 8.1 | 10.1 |
| 87.5° | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: GLAN-SA7B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 |
| 2.5° | 7253.7 | 7342.4 | 7177.1 | 7181.1 | 7044.1 | 7088.4 | 6927.2 | 6979.6 | 6884.8 | 6957.4 | 7171.0 |
| 5° | 5457.9 | 5478.0 | 5345.0 | 5302.7 | 5322.9 | 5405.5 | 5437.7 | 5290.6 | 5353.1 | 5230.1 | 5222.1 |
| 7.5° | 3845.5 | 3869.7 | 3793.1 | 3783.0 | 3928.1 | 3893.9 | 3956.4 | 3805.2 | 3662.1 | 3724.6 | 3609.7 |
| 10° | 2986.9 | 2886.2 | 2728.9 | 2684.6 | 2656.4 | 2674.5 | 2674.5 | 2537.5 | 2517.3 | 2462.9 | 2545.5 |
| 12.5° | 2358.1 | 2235.2 | 2086.0 | 1884.5 | 1834.1 | 1830.0 | 1755.5 | 1634.5 | 1596.3 | 1549.9 | 1618.4 |
| 15° | 1713.1 | 1662.8 | 1537.8 | 1424.9 | 1310.1 | 1287.9 | 1167.0 | 1068.2 | 937.2 | 919.1 | 913.0 |
| 17.5° | 1205.3 | 1130.7 | 1128.7 | 1064.2 | 997.7 | 953.3 | 840.5 | 727.6 | 677.2 | 671.2 | 671.2 |
| 20° | 902.9 | 876.7 | 834.4 | 826.3 | 806.2 | 755.8 | 655.0 | 594.6 | 570.4 | 572.4 | 580.5 |
| 22.5° | 759.8 | 741.7 | 703.4 | 685.3 | 677.2 | 632.9 | 558.3 | 518.0 | 505.9 | 505.9 | 507.9 |
| 25° | 679.2 | 663.1 | 620.8 | 592.5 | 582.5 | 550.2 | 491.8 | 461.5 | 451.5 | 451.5 | 451.5 |
| 27.5° | 618.7 | 598.6 | 554.3 | 530.1 | 511.9 | 475.7 | 439.4 | 409.1 | 399.1 | 399.1 | 401.1 |
| 30° | 576.4 | 554.3 | 513.9 | 481.7 | 453.5 | 421.2 | 391.0 | 364.8 | 352.7 | 350.7 | 352.7 |
| 32.5° | 520.0 | 499.8 | 459.5 | 439.4 | 407.1 | 368.8 | 344.6 | 320.5 | 308.4 | 310.4 | 308.4 |
| 35° | 405.1 | 399.1 | 370.8 | 376.9 | 358.8 | 326.5 | 304.3 | 278.1 | 264.0 | 262.0 | 266.0 |
| 37.5° | 368.8 | 344.6 | 312.4 | 314.4 | 308.4 | 296.3 | 260.0 | 231.8 | 221.7 | 221.7 | 223.7 |
| 40° | 340.6 | 316.4 | 280.2 | 262.0 | 264.0 | 264.0 | 225.7 | 195.5 | 185.4 | 183.4 | 187.4 |
| 42.5° | 316.4 | 292.2 | 251.9 | 221.7 | 213.6 | 223.7 | 191.5 | 161.2 | 151.2 | 147.1 | 151.2 |
| 45° | 300.3 | 274.1 | 227.7 | 193.5 | 169.3 | 181.4 | 157.2 | 133.0 | 120.9 | 120.9 | 118.9 |
| 47.5° | 284.2 | 260.0 | 209.6 | 167.3 | 141.1 | 135.0 | 129.0 | 106.8 | 94.7 | 92.7 | 94.7 |
| 50° | 270.1 | 245.9 | 189.5 | 145.1 | 118.9 | 104.8 | 104.8 | 84.6 | 76.6 | 72.6 | 74.6 |
| 52.5° | 256.0 | 229.8 | 171.3 | 129.0 | 102.8 | 84.6 | 74.6 | 68.5 | 62.5 | 60.5 | 62.5 |
| 55° | 235.8 | 209.6 | 153.2 | 110.9 | 88.7 | 70.5 | 58.4 | 56.4 | 52.4 | 48.4 | 52.4 |
| 57.5° | 211.6 | 187.4 | 135.0 | 94.7 | 70.5 | 54.4 | 48.4 | 46.4 | 42.3 | 40.3 | 40.3 |
| 59° | 197.5 | 175.3 | 125.0 | 82.6 | 62.5 | 48.4 | 44.3 | 42.3 | 38.3 | 34.3 | 36.3 |
| 60° | 189.5 | 171.3 | 118.9 | 76.6 | 56.4 | 44.3 | 40.3 | 38.3 | 34.3 | 32.2 | 34.3 |
| 62.5° | 167.3 | 153.2 | 104.8 | 62.5 | 44.3 | 32.2 | 28.2 | 30.2 | 28.2 | 26.2 | 28.2 |
| 65° | 147.1 | 135.0 | 88.7 | 48.4 | 34.3 | 22.2 | 20.2 | 26.2 | 24.2 | 22.2 | 24.2 |
| 67.5° | 131.0 | 116.9 | 74.6 | 36.3 | 24.2 | 12.1 | 14.1 | 22.2 | 22.2 | 20.2 | 22.2 |
| 70° | 112.9 | 100.8 | 60.5 | 26.2 | 12.1 | 6.0 | 10.1 | 16.1 | 20.2 | 18.1 | 20.2 |
| 72.5° | 92.7 | 78.6 | 46.4 | 18.1 | 6.0 | 0.0 | 6.0 | 14.1 | 20.2 | 18.1 | 20.2 |
| 75° | 72.6 | 58.4 | 34.3 | 10.1 | 0.0 | 0.0 | 2.0 | 12.1 | 20.2 | 18.1 | 20.2 |
| 77.5° | 52.4 | 42.3 | 20.2 | 2.0 | 0.0 | 0.0 | 2.0 | 12.1 | 20.2 | 18.1 | 20.2 |
| 80° | 34.3 | 30.2 | 8.1 | 0.0 | 0.0 | 0.0 | 2.0 | 12.1 | 20.2 | 20.2 | 22.2 |
| 82.5° | 22.2 | 16.1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 16.1 | 22.2 | 24.2 | 24.2 |
| 85° | 10.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 20.2 | 26.2 | 26.2 | 26.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 14.1 | 24.2 | 30.2 | 30.2 | 30.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: GLAN-SA7B-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 |
| 2.5° | 7207.3 | 7334.3 | 7513.7 | 7789.8 | 8013.5 | 8366.2 | 8636.3 | 9005.1 | 9378.0 | 9490.8 | 9666.2 |
| 5° | 5304.7 | 5468.0 | 5875.1 | 6245.9 | 6479.7 | 7225.5 | 7697.1 | 8440.8 | 9107.9 | 9428.4 | 9777.0 |
| 7.5° | 3684.3 | 3877.8 | 4188.1 | 4706.1 | 5197.9 | 5804.5 | 6566.4 | 7416.9 | 8394.4 | 8851.9 | 9343.7 |
| 10° | 2585.8 | 2827.7 | 3265.1 | 3690.3 | 4309.1 | 4885.5 | 5637.3 | 6576.5 | 7654.7 | 8194.9 | 8811.6 |
| 12.5° | 1632.5 | 1848.2 | 2426.6 | 2904.3 | 3676.2 | 4345.3 | 5038.7 | 5889.2 | 7138.8 | 7693.0 | 8340.0 |
| 15° | 933.2 | 1114.6 | 1384.6 | 1997.3 | 2853.9 | 3738.7 | 4603.3 | 5590.9 | 6874.8 | 7558.0 | 8257.4 |
| 17.5° | 695.3 | 743.7 | 864.6 | 1211.3 | 1991.3 | 3025.2 | 4202.3 | 5500.2 | 7054.1 | 7856.3 | 8654.4 |
| 20° | 584.5 | 616.7 | 673.2 | 810.2 | 1269.7 | 2329.9 | 3811.3 | 5516.3 | 7634.6 | 8642.3 | 9400.1 |
| 22.5° | 524.0 | 544.2 | 590.5 | 679.2 | 866.7 | 1697.0 | 3353.7 | 5611.1 | 8338.0 | 9607.7 | 10482.5 |
| 25° | 459.5 | 485.7 | 526.0 | 602.6 | 721.5 | 1177.0 | 2902.3 | 5822.7 | 9323.6 | 10833.1 | 11655.5 |
| 27.5° | 409.1 | 433.3 | 473.6 | 544.2 | 632.9 | 898.9 | 2376.2 | 6004.1 | 10363.5 | 12066.6 | 12739.8 |
| 30° | 358.8 | 382.9 | 423.2 | 479.7 | 560.3 | 727.6 | 1809.9 | 6110.9 | 11373.3 | 12991.7 | 13509.7 |
| 32.5° | 316.4 | 336.6 | 374.9 | 425.3 | 491.8 | 616.7 | 1427.0 | 6000.0 | 12145.2 | 13832.2 | 14178.8 |
| 35° | 274.1 | 298.3 | 330.5 | 376.9 | 435.3 | 526.0 | 1187.1 | 5617.1 | 12808.3 | 14696.8 | 14821.8 |
| 37.5° | 229.8 | 258.0 | 292.2 | 334.6 | 380.9 | 483.7 | 953.3 | 5193.9 | 13517.7 | 15775.1 | 15569.5 |
| 40° | 193.5 | 219.7 | 251.9 | 298.3 | 340.6 | 443.4 | 733.6 | 4742.4 | 14283.6 | 16786.8 | 16385.8 |
| 42.5° | 157.2 | 185.4 | 223.7 | 266.0 | 336.6 | 387.0 | 568.4 | 4274.8 | 14970.9 | 17667.6 | 17123.4 |
| 45° | 125.0 | 149.1 | 189.5 | 243.9 | 334.6 | 332.6 | 439.4 | 3813.3 | 15488.9 | 18296.4 | 17673.6 |
| 47.5° | 98.8 | 118.9 | 159.2 | 237.8 | 308.4 | 282.2 | 352.7 | 3527.1 | 16033.0 | 18862.8 | 18094.9 |
| 50° | 78.6 | 98.8 | 137.1 | 247.9 | 270.1 | 241.9 | 296.3 | 3573.4 | 16559.1 | 19151.0 | 18268.2 |
| 52.5° | 66.5 | 86.7 | 118.9 | 195.5 | 207.6 | 211.6 | 260.0 | 3787.1 | 17238.3 | 19459.3 | 18612.8 |
| 55° | 58.4 | 76.6 | 100.8 | 137.1 | 161.2 | 189.5 | 237.8 | 3942.3 | 18147.3 | 20120.4 | 19372.7 |
| 57.5° | 46.4 | 66.5 | 90.7 | 116.9 | 133.0 | 165.3 | 219.7 | 3954.3 | 18969.6 | 20968.9 | 20382.4 |
| 59° | 42.3 | 60.5 | 84.6 | 110.9 | 118.9 | 149.1 | 207.6 | 3851.6 | 18999.8 | 21095.9 | 20846.0 |
| 60° | 38.3 | 58.4 | 80.6 | 102.8 | 112.9 | 141.1 | 197.5 | 3732.6 | 18725.7 | 20894.4 | 21037.5 |
| 62.5° | 32.2 | 50.4 | 70.5 | 82.6 | 96.7 | 116.9 | 171.3 | 3301.3 | 17397.5 | 19981.4 | 20682.7 |
| 65° | 28.2 | 44.3 | 60.5 | 68.5 | 80.6 | 100.8 | 151.2 | 2642.3 | 15930.3 | 18743.9 | 19666.9 |
| 67.5° | 26.2 | 40.3 | 52.4 | 58.4 | 70.5 | 92.7 | 135.0 | 1866.3 | 14029.7 | 17173.8 | 18141.2 |
| 70° | 24.2 | 38.3 | 46.4 | 54.4 | 62.5 | 78.6 | 114.9 | 1088.4 | 10806.9 | 14420.7 | 15442.5 |
| 72.5° | 24.2 | 36.3 | 40.3 | 46.4 | 54.4 | 70.5 | 106.8 | 588.5 | 7388.7 | 11000.4 | 12320.6 |
| 75° | 24.2 | 34.3 | 36.3 | 40.3 | 48.4 | 64.5 | 94.7 | 308.4 | 4776.7 | 7642.7 | 9432.4 |
| 77.5° | 24.2 | 32.2 | 36.3 | 38.3 | 46.4 | 56.4 | 82.6 | 193.5 | 3182.4 | 5353.1 | 6374.9 |
| 80° | 26.2 | 32.2 | 34.3 | 38.3 | 44.3 | 52.4 | 68.5 | 129.0 | 1870.4 | 3220.7 | 3879.8 |
| 82.5° | 28.2 | 32.2 | 36.3 | 40.3 | 46.4 | 50.4 | 60.5 | 80.6 | 862.6 | 2130.3 | 2410.5 |
| 85° | 30.2 | 34.3 | 38.3 | 42.3 | 48.4 | 50.4 | 56.4 | 58.4 | 141.1 | 961.4 | 1300.0 |
| 87.5° | 32.2 | 36.3 | 40.3 | 44.3 | 52.4 | 52.4 | 52.4 | 52.4 | 48.4 | 102.8 | 262.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 | 8763.3 |
| 2.5° | 9887.9 | 10115.6 | 10274.9 | 10315.2 | 10200.3 | 10147.9 | 10002.8 | 9777.0 | 9640.0 | 9633.9 |
| 5° | 10420.0 | 10954.1 | 11324.9 | 11387.4 | 11165.7 | 10790.8 | 10345.4 | 9771.0 | 9434.4 | 9333.6 |
| 7.5° | 10329.3 | 11264.5 | 11861.0 | 11947.7 | 11574.8 | 10859.3 | 9996.7 | 9071.6 | 8704.8 | 8549.6 |
| 10° | 9956.4 | 11097.2 | 11949.7 | 12086.8 | 11588.9 | 10581.2 | 9484.8 | 8452.9 | 7997.4 | 7878.5 |
| 12.5° | 9638.0 | 10790.8 | 11548.6 | 11738.1 | 11361.2 | 10355.5 | 9178.4 | 8055.8 | 7568.1 | 7457.2 |
| 15° | 9498.9 | 10428.0 | 10891.6 | 10988.3 | 10925.9 | 10214.4 | 9146.2 | 7995.4 | 7437.1 | 7316.1 |
| 17.5° | 9638.0 | 10119.7 | 10178.1 | 10276.9 | 10415.9 | 10200.3 | 9456.6 | 8323.9 | 7721.3 | 7572.1 |
| 20° | 10002.8 | 9851.6 | 9609.8 | 9652.1 | 9970.5 | 10258.7 | 10008.8 | 9051.5 | 8317.8 | 8158.6 |
| 22.5° | 10623.5 | 9785.1 | 9236.9 | 9200.6 | 9603.7 | 10454.2 | 10819.0 | 10037.0 | 9186.5 | 9029.3 |
| 25° | 11385.4 | 9952.4 | 9099.8 | 9021.2 | 9460.6 | 10740.4 | 11699.8 | 11244.3 | 10315.2 | 10075.3 |
| 27.5° | 12215.8 | 10299.0 | 9099.8 | 9023.3 | 9448.5 | 10994.4 | 12453.6 | 12312.5 | 11484.1 | 11222.1 |
| 30° | 12671.2 | 10585.2 | 9230.8 | 9144.2 | 9597.7 | 11141.5 | 12856.7 | 13261.8 | 12362.9 | 12038.4 |
| 32.5° | 13078.4 | 10982.3 | 9486.8 | 9323.6 | 9910.1 | 11359.2 | 13217.4 | 14068.0 | 13062.2 | 12844.6 |
| 35° | 13453.3 | 11407.6 | 9839.5 | 9650.1 | 10321.2 | 11657.5 | 13616.5 | 14914.5 | 14035.7 | 13707.2 |
| 37.5° | 13866.4 | 11901.3 | 10389.7 | 10228.5 | 11008.5 | 12237.9 | 14090.1 | 16027.0 | 14993.1 | 14579.9 |
| 40° | 14315.9 | 12473.7 | 11294.7 | 11226.2 | 12100.9 | 12895.0 | 14688.7 | 17214.1 | 16085.5 | 15615.8 |
| 42.5° | 14773.4 | 13132.8 | 12403.2 | 12516.1 | 13338.4 | 13816.0 | 15303.5 | 18127.1 | 16980.3 | 16462.3 |
| 45° | 15188.6 | 13975.3 | 13844.3 | 14402.5 | 14781.4 | 14714.9 | 15758.9 | 18770.1 | 17760.3 | 17264.5 |
| 47.5° | 15712.6 | 15202.7 | 15587.6 | 16448.2 | 16458.3 | 15692.4 | 16103.6 | 19296.1 | 18431.5 | 17935.7 |
| 50° | 16299.1 | 16651.8 | 17838.9 | 18715.6 | 18479.8 | 16653.8 | 16506.7 | 19918.9 | 19124.8 | 18727.7 |
| 52.5° | 16978.3 | 18274.3 | 19918.9 | 20892.3 | 20342.1 | 17701.9 | 17177.8 | 20592.0 | 20225.2 | 19844.3 |
| 55° | 17768.4 | 19380.7 | 21992.8 | 22768.7 | 22214.5 | 19003.9 | 18197.7 | 21505.0 | 21468.8 | 21208.8 |
| 57.5° | 18661.2 | 20549.7 | 23194.0 | 24244.1 | 23750.3 | 20531.6 | 19622.6 | 22365.7 | 22228.6 | 22083.5 |
| 59° | 19366.6 | 21150.3 | 23724.1 | 24812.4 | 24514.1 | 21601.8 | 20579.9 | 22901.8 | 22403.9 | 22186.3 |
| 60° | 19793.9 | 21557.4 | 23919.6 | 24889.0 | 24820.5 | 22238.7 | 21186.6 | 23163.8 | 22401.9 | 22099.6 |
| 62.5° | 21061.6 | 22268.9 | 23845.0 | 24548.4 | 24816.5 | 23460.1 | 22966.3 | 23452.0 | 21986.7 | 21543.3 |
| 65° | 21513.1 | 22033.1 | 22609.5 | 22522.9 | 22752.6 | 23397.6 | 24103.0 | 23135.6 | 21099.9 | 20469.1 |
| 67.5° | 20634.4 | 19447.3 | 19650.8 | 19072.4 | 18959.5 | 20801.6 | 23641.4 | 21587.7 | 19364.6 | 18592.7 |
| 70° | 17393.5 | 14898.3 | 14795.6 | 15061.6 | 14332.0 | 16841.3 | 21228.9 | 18606.8 | 16500.6 | 15625.9 |
| 72.5° | 13691.1 | 10528.8 | 9662.2 | 10641.7 | 10619.5 | 12848.6 | 17635.3 | 13203.3 | 11147.6 | 11073.0 |
| 75° | 10766.6 | 7330.3 | 6433.4 | 6592.6 | 6898.9 | 9301.4 | 14045.8 | 8384.3 | 6864.7 | 6256.0 |
| 77.5° | 7227.5 | 5193.9 | 4845.2 | 4649.7 | 4980.2 | 5971.8 | 8886.2 | 4546.9 | 3849.5 | 3646.0 |
| 80° | 4166.0 | 3773.0 | 4284.9 | 3889.9 | 4067.2 | 3762.9 | 4419.9 | 2086.0 | 1731.3 | 1874.4 |
| 82.5° | 2710.8 | 2148.5 | 2289.6 | 1701.1 | 2325.9 | 2346.0 | 1418.9 | 616.7 | 522.0 | 554.3 |
| 85° | 1695.0 | 1007.7 | 566.3 | 403.1 | 802.2 | 1475.3 | 443.4 | 38.3 | 44.3 | 38.3 |
| 87.5° | 439.4 | 167.3 | 70.5 | 104.8 | 129.0 | 114.9 | 102.8 | 6.0 | 2.0 | 4.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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